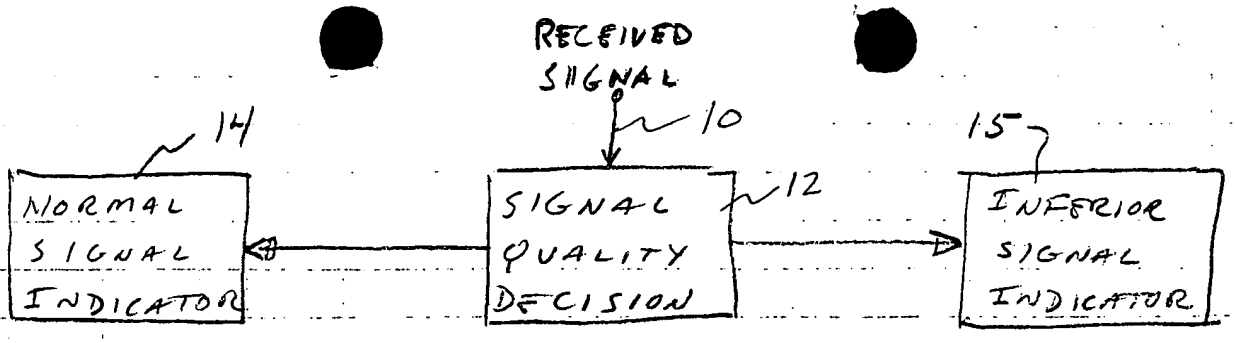

FIG. 1

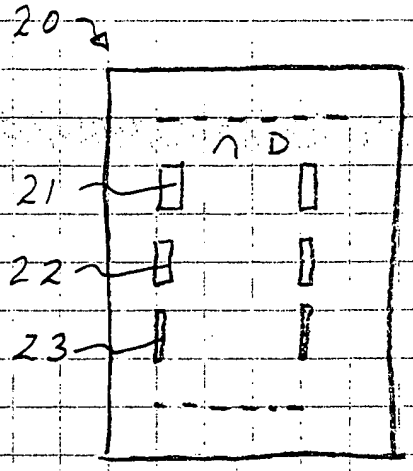

FIG. 2

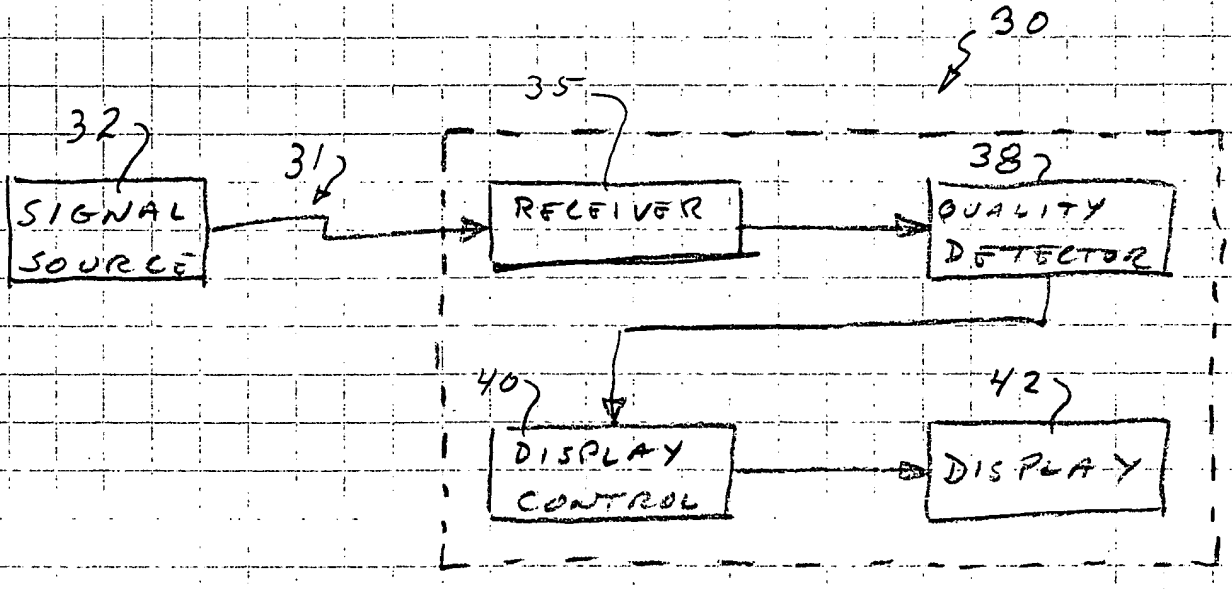

FIG. 3

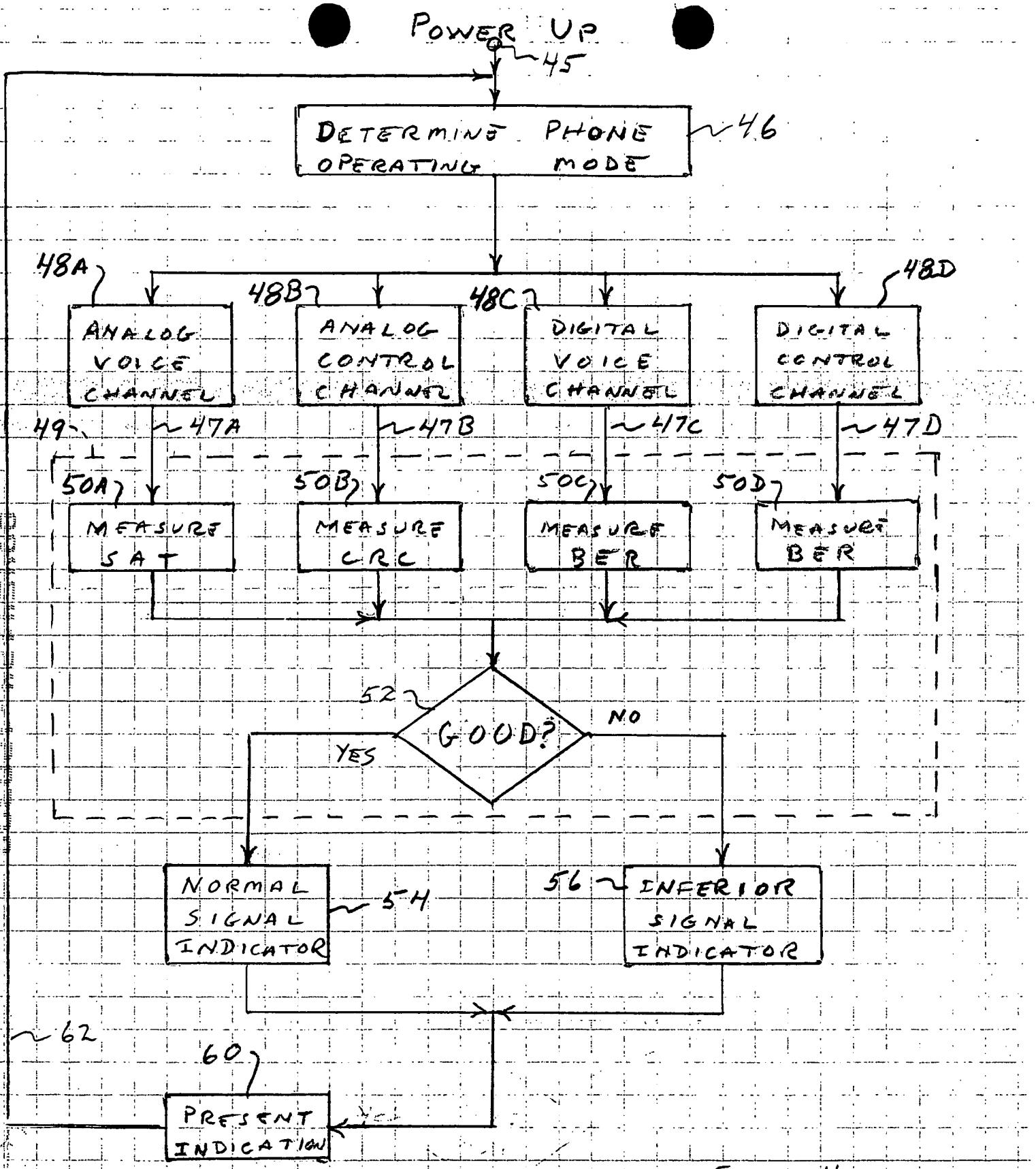
POWER UP
45
DETERMINE PHONE OPERATING MODE
46
48A
48B
48C
48D
ANALOG VOICE CHANNEL
ANALOG CONTROL CHANNEL
DIGITAL VOICE CHANNEL
DIGITAL CONTROL CHANNEL
49
47A
47B
47C
47D
50A
50B
50C
50D
MEASURE SAT
MEASURE CRC
MEASURE BER
MEASURE BER
52
GOOD?
YES
NO
NORMAL SIGNAL INDICATOR
54
56
INFERIOR SIGNAL INDICATOR
62
60
PRESENT INDICATION

FIG. 4

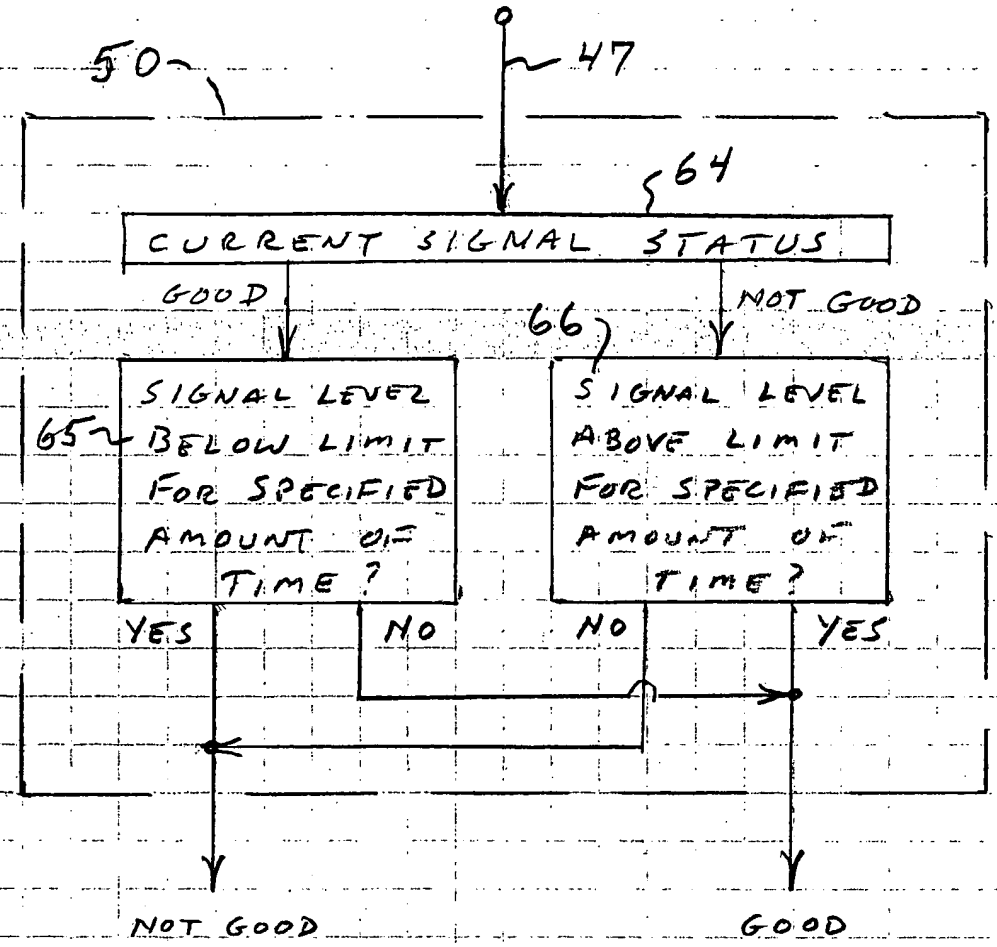
50
47
64
CURRENT SIGNAL STATUS
GOOD
NOT GOOD
66
65
SIGNAL LEVEL BELOW LIMIT FOR SPECIFIED AMOUNT OF TIME?
SIGNAL LEVEL ABOVE LIMIT FOR SPECIFIED AMOUNT OF TIME?
YES
NO
NO
YES
NOT GOOD
GOOD

FIG. 5

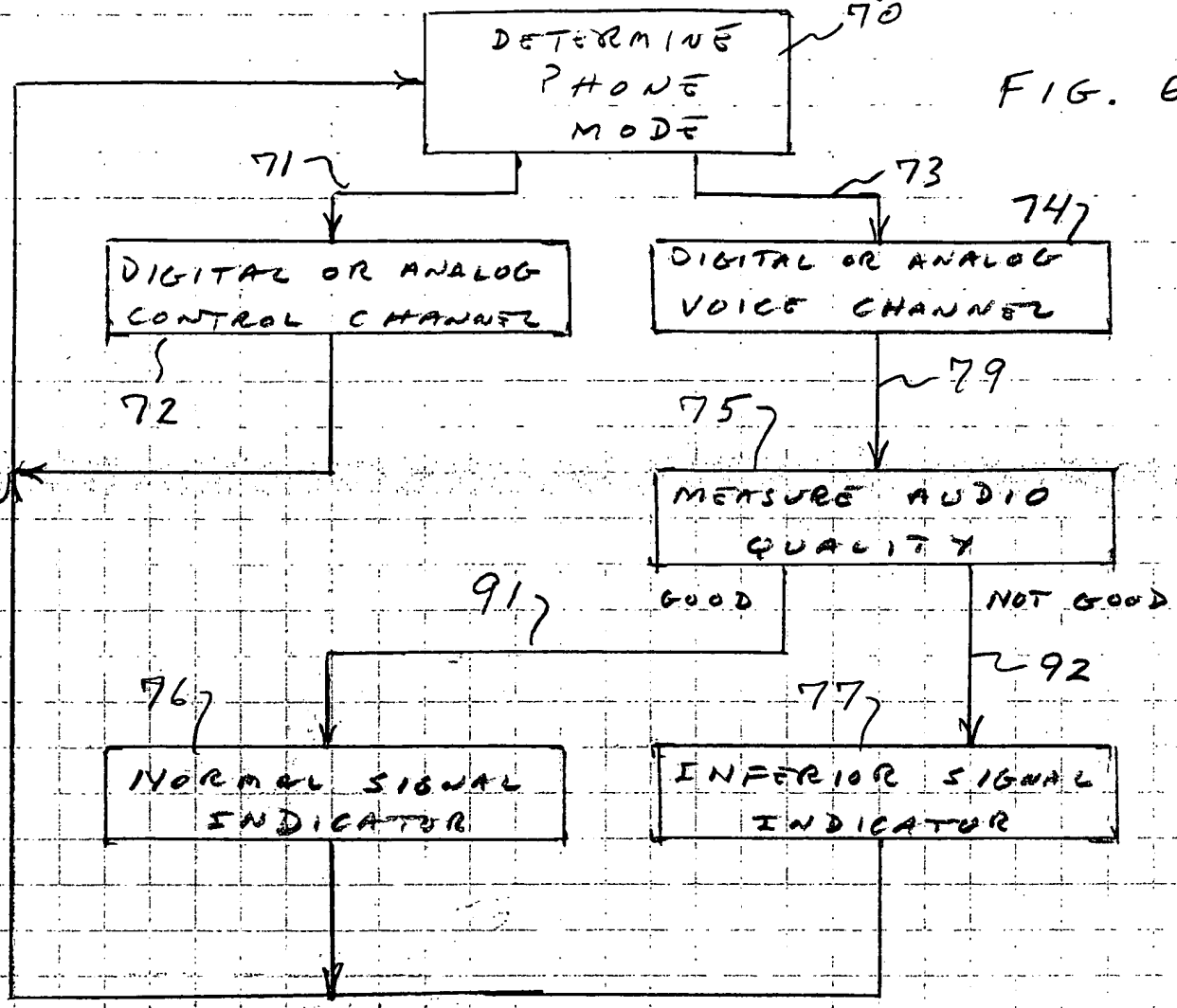
DETERMINE PHONE MODE
70
71
73
74
DIGITAL OR ANALOG CONTROL CHANNEL
DIGITAL OR ANALOG VOICE CHANNEL
72
79
75
MEASURE AUDIO QUALITY
GOOD
NOT GOOD
91
92
76
77
NORMAL SIGNAL INDICATOR
INFERIOR SIGNAL INDICATOR

FIG. 6

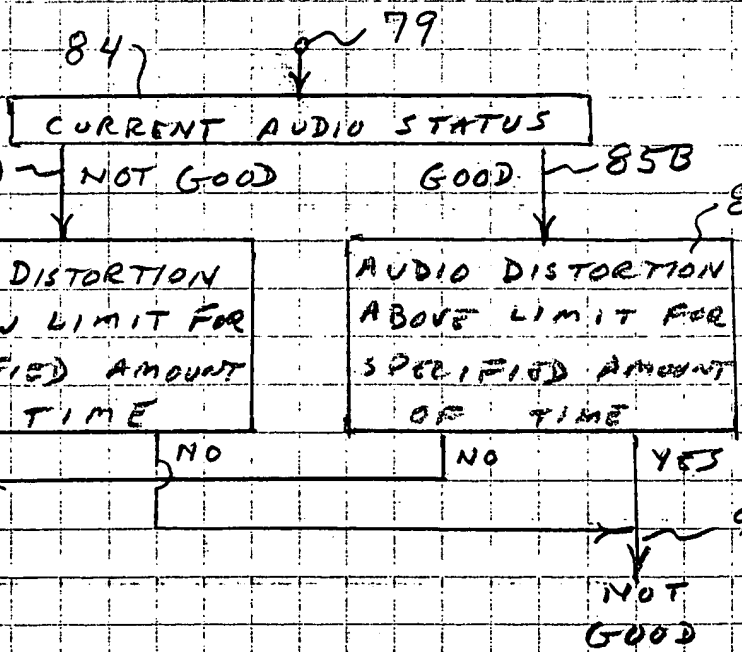
79
84
CURRENT AUDIO STATUS
85A
NOT GOOD
GOOD
85B
86
88
AUDIO DISTORTION BELOW LIMIT FOR SPECIFIED AMOUNT OF TIME
AUDIO DISTORTION ABOVE LIMIT FOR SPECIFIED AMOUNT OF TIME
YES
NO
NO
YES
91
92
GOOD
NOT GOOD

FIG. 7